

We claim:

1 Claim 1 A traffic signal assembly having greater visibility, the traffic signal assembly
2 comprising:
3 a main body portion;
4 a plurality of main colored indicator control lights on at least one face of the main body portion;
5 one or more peripheral auxiliary lamp portions mounted on the at least one face of the main body
6 portion and disposed essentially symmetrically, immediately around the plurality of main colored
7 indicator control lights;
8 and a controller for controlling illumination of both the plurality of main colored indicator
9 control lights and the one or more peripheral auxiliary lamp portions.

1 Claim 2 The traffic signal of Claim 1 in which the one or more peripheral auxiliary lamp
2 portions are disposed on a backplate portion and extend through openings on the at least one face of the
3 main body housing.

1 Claim 3 The traffic signal of Claim 1 in which the one or more peripheral auxiliary lamp
2 portions comprise one or more LEDs, LCDs, CFLs or CCFLs.

1 Claim 4 The traffic signal of Claim 1 in which the one or more peripheral auxiliary lamp
2 portions comprise clusters of LEDs, LCDs, CFLs or CCFLs.

1 Claim 5 The traffic signal of Claim 1 in which the one or more peripheral auxiliary lamp
2 portions comprise a plurality of LEDs, LCDs, CFLs or CCFLs.

1 Claim 6 A controller for the enhanced traffic signal of the present invention in which the
2 color of the outer peripheral lighted lamp portion changes according to and synchronized with the main
3 colored signal indicator for the traffic signal, i.e., green, yellow or red.

1 Claim 7 A method for controlling a traffic signal in which one or more outer peripheral
2 lamp portions are illuminated in synchronization with illumination of the main red, green and yellow
3 signal indicator lights for the traffic signal.

1 Claim 8 The method of claim 7 in which one or more outer peripheral red, green and
2 yellow lamp portions are illuminated in synchronization with illumination of the main red, green and
3 yellow signal indicator light for the traffic signal.

1 Claim 9 A method for controlling a traffic signal in which one or more outer peripheral red
2 lamp portions are illuminated in synchronization with illumination of the main red signal indicator light
3 for the traffic signal.

1 Claim 10 The method of claim 9 in which the outer peripheral red lamp portions are
2 illuminated simultaneously with the main red signal indicator light for the traffic signal.

1 Claim 11 A method for controlling a traffic signal in which one or more outer peripheral
2 red lamp portions and the main red signal indicator light are illuminated simultaneously.

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